

On the Problem of Linear Conjugates in Analytic
Function Theory, by B. V. Kvedalidze, 5 pp.

RUSSIAN, per, Dok Ak Nauk USSR, Vol LXXVI,
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Morris D. Friedman K-181
\$2.50

Sci - Physics
Mar 59

84, 417

I-29/62

The Effect of Ultrasound on Yeasts, by R. S.
Katsnel'son, M. A. Khenokh, (DC-6928)

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*JPRS

Sci - Biol
12 Jul 62

V
On the Problem of Linear Conjugates in Analytic ~~RUSSIAN~~
Function Theory, by B. V. Kvedelidze, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXVI,
No 2, 1951, pp 177-180.

Sci Tr Center
RT-1093

MDF K-181

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Scientific - Mathematics

The Surface Photoelectric Effect of Ferromagnetic
Substances, by S. V. Vonsovskiy, A. V. Sokolov.

Full translation.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol. ⁷⁶ ~~188~~ ² No 3,
USSR, ~~1952~~, pp 39-42. CIA 9071339

1951 197-200 EIA AEC Tr 1510

Scientific - Physics, photoelectric, ferromagnetic
RT-1922

ATS-70M38R

NTC 69-11412-20C

The Law of Approach to Saturation of Even Effects
Taking Into Account the Internal Elastic Strains,
by G. I. D'yakov.

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No 2, 1951, pp 201-204.

Assoc Tech Sv

Tr RJ-604

\$5.65

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Sci - Physics
Sep 57

TSOMAKION, B. F.
IVLEV, V. F.

Method of Investigating Irreversible Magnetic
Rotation Jumps.

RUSSIAN, Dok Ak Nauk SSSR, Vol LXXVI, No 2, 1951,
pp 205 - 208.

AEC Tr 578

Concerning Methods for Investigating Distribution
Functions of Velocities of Electrons in a Gaseous
Discharge, by Yu M. Kagan, V. L. Federov, G. M.
Malyshov, L. A. Gavallas, 4 pp.

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pp 215-17.

AEC Tr 2558

Sci - Physics, ~~Electronics~~
Nov 56 EEX OTS

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SLA R-3098

Activation Energy of the Hydration of Metaphosphoric
Acids in Alkaline Solutions, by I. A. Paul'sen,
3 pp.

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pp 221 222.

SLA R-2862

Sci

Jul 59

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Doklady Akademii Nauk SSSR,

Vol 76, No 2
(11 January 1951),
pages 231-3

"Experience Gained in Employing the Pedologico-Floristic
Method of Prospecting Under Conditions Prevailing in the
Steppe Provinces Beyond the Urals

author: D. P. Malyuga (Inst of Geochem, etc)

11304

ST-487 (item b)

SR 2 May 52

Certain Characteristics of Vegetative Hybridisation of Cereals by the Embryo Transplantation Method, by G. F. Nikitenko, 5 pp.

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Sci Tr Center RT-2127

Scientific - Biology
Apr 55 GTS

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Retardation of Bud Burst in Fruit Trees With the
Aid of Chemical Preparations, by Iu. V. Rokitin,
L. N. Kritskaid.

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pp 295-297. 511 P444A

USDA Trans 254

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Economic - Agriculture, growth substances
Scientific - Biology, growth substances

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Carbohydrate Exchange in Cancer Tumor in Potatoes
by A. I. Grechushnikov, N. N. Yakovleva, 6 pp.

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No 2, 1951, 303-304.

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Sci Tr Ctr RT-3845

Sci - Biology
Aug 56 CTS/dex

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(DC-6928)

REACTION OF PARAMECIA TO CERTAIN ORGANIC
COMPOUNDS SUBJECTED TO THE EFFECT OF ULTRA-
SOUND AND ULTRAVIOLET LIGHT, BY L. K.
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NO 2, 1951, PP 317-320.

JPRS 14675

SCI - PHYS

AUG 62

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S. A. Sheynis, "The Ability of Red Blood Corpuscles to Effect Phagocytosis".

Pray # 86 46

SR 12/6/51

L. M. Bl.

On Linear Singular Integral Equations With Basic
Kernel of Cauchy Type, by B. V. Kvedelidze.

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Sci - Physics
Mar 59

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Full translation.

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HC RT-328
AEC Tr 1485

Mathematica
Scientific - ~~Statistics~~, hypothesis, *samples*

Jan 53 CTS/DEK

Observations of the Solar Corona Between Eclipses in
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Gnevysheva, R. S. Gnevysheva, 2 pp.

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1951, pp 375-376.

ATIC F-TS-9618/V

Sci - Astron
Mar 59

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Def Sci Inf Sv
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CIA 2524791

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Technique for Spectroscopic Analysis of Welded Joints.

Brutcher Trans No. 2708, \$2.40

Doklady Ak Nauk SSSR Nov Ser Vol LXXVI No 3 pp 415-18 ¹⁹⁵¹

Concerning High Molecular Polymerization of ¹isobutylene
(Synthetic Fuel) by Academician A. V. Topchiyev,
Ya. M. Paushkin and T. E. Lipatova,

QMT-169 Army Tech. Services and completed

1951

Doklady Ak Nauk SSSR Nov Ser Vol LXXVI No 3 pp
419-22

Investigation of Structures in Suspensions of Carbon
Black (Concerning Paints, Lacquers and Rubber Cements.
Structures of Particles of Carbon Black in Rubber Mix-
tures. Form and Size of Particles of Carbon Black)

QMT-170 Army Tech Services Completed

Phenomena of the Overheating of Liquid
Inclusions in Minerals, by S. A. Tchaikovskiy,
7 pp.

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SIA R-1200

May 58

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To the Question of Flameless Gas Combustion, by
L. N. Khitrin, 6 pp.

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pp 475-478, 1951.

Morris D. Friedman K-161

Sci - Chem
Aug 58

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Inhibition and Activation of Cracking on Carbon
and Aluminosilicates, by Ya. M. Paushkin, Yu. S.
Lipatov.

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1951.

Dept of Interior
Tr No ~~18~~ 1784

Sci

Jan 63

Piskunov, N.S.
OPLOSSING VAN EEN RANDOPGAVE VAN EEN NIET-
LINEAIRE PARABOLISCHE VERGELIJKING VOOR DE
BEWEGING VAN VLOEISTOFFEN EN GASTEN IN EEN
POREUS MEDIUM (Solution of a boundary problem
for a non-linear parabolic equation of motion of
liquids and gases in a porous medium). 7 p. 4 refs.
MTWL: 458 (Text in Dutch).
Order from OTS or ETC \$1.55 61-17037

Trans. of Akademiya Nauk SSSR. Doklady, 1951,
v. 76, no. 4, p. 505-508.

DESCRIPTORS: *Gas flow, *Fluid flow, Porous
materials, Non-linear differential-equations.

61-17037

- I. Piskunov, N.S.
- II. MTWL-458
- III. Stichting Moettijk
Toegankelijke Wetenschap-
pelijke Literatuur.

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Automatic Mass Rediator, by V. K. Arkad'ev, I. M.
Bunskoye, 3 pp.

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SLA R-3089

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Jul 59

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Shnitnikov, A. V.
SUBSECULAR FLUCTUATIONS OF THE LEVEL OF
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KAZAKHSTAN, AND THEIR RELATIONSHIP WITH
CLIMATIC FLUCTUATIONS
E. R. Hope, tr. Jan 64 [6p] lref
DSIS-T-399-R.
Order from NRC NRC-C-4746

Trans. of Akademiya Nauk SSSR. [Doklady] 1951,
v. 76, no. 4, p. 523-526.

DESCRIPTORS: *Lakes, Water, Volume, Oscillation,
Climatology, *Hydrology,

(Earth Sciences, TT, v. 11, no. 9)

TT-64-12709

- I. Shnitnikov, A. V.
- II. DSIS-T-399-R
- III. NRC-C-4746
- IV. Directorate of Scientific
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Ottawa (Canada)

Office of Technical Services

Hydrogenation and Dehydrogenation of Hydrocarbons
in the Presence of Cobalt Catalysts With Low Metal
Content, by Kh. M. Minachev, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI, No 4,
1951, pp 543-546.

Dept of Interior
Tr No 1783

Sci

Jan 63

Poisoning of Hydrogenation-Dehydrogenation Catalysts
in the Light of the ~~EM~~ Chemical Theory of the Nature
of Their Active Structure, by L. Kh. Freydlin, N. I.
Ziminova.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXVI,
No 4, 1951, pp 551-554. 76

Assoc Tech Sv
RJ-391.

Sci - Chemistry

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\$6.15

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Katchenkov, S.M.
DE OORSPRONG VAN ASVORMENDE BESTANDELEN
IN AARDOLIE (Origin of the ash components of petro-
leum). 7 p. 7 refs. MTWL: 460 (Text in Dutch).
Order from OTS or ETC \$1.55 61-17039

Trans. of Akademiya Nauk SSSR. Doklady, 1951,
v. 76, no. 4, p. 563-566.

DESCRIPTORS: *Petroleum, Chemical elements,
*Combustion.

61-17039

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Change in the Latex Composition of Kok-Saghyz Roots in
Relation to Mineral Fertilizers, by P. M. Baranovskii.

RUSSIAN, per Dok Ak. Nauk SSSR, Vol LXXVI, 1 Feb 1951,
pp 583-586. 511 P444A

USDA Trans 313

USSR

Economic - Agriculture, mineral

Scientific - Biology, mineral, fertilizers

494

Mechanism of Ionization and Thermal Dependence of
Photoconductivity and the Luminescence of
Crystals, by E. I. Adirovich, 7 pp. UNCLASSIFIED

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Sci Mus Lib Of London
Tr No 52/0742

Scientific - Chemistry or Physics
GRS/DEX

8382

V
Temperature "Hysteresis" of Electric Conductivity
of Solid Dielectrics With Relaxation Polarization,
by G. I. Skanavi, A. I. Demeshina, A. G. Chre-
lashvili,

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SLA R-1639 Nat Res Lib TT-570
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INSOCC TR 2112 ~~22,694~~
Scientific - Electric, physics 32827

Luminance Distribution in Strongly Scattering
Media, by V. A. Timofeeva, 8 pp.

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CIA/FDD/X-1178

Scientific - Geophysics
CTS/DEX

8510

Preparation of Hydrocarbons from Organ-magnesium
Compounds by the Action of Hexachloroethane, by V. V.
Korshak, T. D. Kazarenko, 7 p.

RUSSIAN, *Izv. Akad. Nauk SSSR*, Vol LXXVI, 1951,
pp 685-687.

SLA R-2780

Sci

Jul 59

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Features of the Change in the Crystalline
Structure of a Metal Deformed in Surface-
Active Medium, by V. N. Rozhanskiy, T. A.
Amfiteatrova, & P. A. Rebinder,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
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Sci Mus Lib
No 54/3607

Scientific - Min/Metals

Mar 55 CTS

Potentiometric Study of the Reaction of Gelatin With
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Scientific - Chemistry
CPE/DEX

8501

On the Fecundity and Growth Rate of Certain Marine
Invertebrates, by V. V. Kuznetsov, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXVI,
No 5, 1951, pp 743-745.

Sci Trans Center RT-3252

32,109

Sci - Biology

Mar 56

Some Questions on the Biology of the Tachinid
Starmia Inconspicua Meig. (Diptera, Larvivoridae)
and Its Economic Importance, by B. V. Ryvkin,
3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
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Sci Trans ⁴ Center ¹ RF-614

Scientific - Biology
CPS/DEX

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On a Theory of the Elementary Excitations in a
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Bonch-Bruевич, ~~XXXX~~ S. V. Tyablikov.

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No 6, 1951, pp 817-819.

Sci Mu Lib of London 52/0746

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Scientific - Physics

Search for Radiogenic Krypton, by Gerling, E.K.
and N. V. Baranovskaya, 3 pp.

RUSSIAN, Dok Ak Nauk SSSR Vol 76, No 6,
pp 825-826, 1951

Sci Museum No 51/2626
SLA 61-17467

Scientific

Catalytic Hydrogenation of Esters of Aldonic
Acids in the Presence of Aromatic Amines, by
V. M. Berezovskiy, V. A. Kurdyukova, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXVI, No 6, 1951, pp 839-842.

Sci Tr Center
RT-3839

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Sci - Chemistry

Aug 1956

Brodskif, A.I., Chervyatsova, L.L., and
Miklukhin, G.P.
OVER DE MOGELIJKHEID VAN TAUTOMERIE VAN
TOLUEEN (Possibility of tautomerism of toluene).
7 p. 9 refs. MTWL: 441 (Text in Dutch).
Order from OTS or ETC \$1.55 61-17046

Trans. of Akademiya Nauk SSSR. Doklady, 1951,
v. 76, no. 6, p. 843-845.

DESCRIPTORS: *Toluenes, Molecular isomerism.

61-17046

- I. Brodskif, A.I.
- II. Chervyatsova, L.L.
- III. Miklukhin, G.P.
- IV. MTWL-441
- V. Stichting Moelijk
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Office of Technical Services

Investigation of the Structure of Adsorbents by
Independent Methods, by H. N. Avgul & Others, ~~1951~~.

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1951, pp 855-858.

Insdoc T.708

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Scientific - Chemistry

28, 265

Nov 55
CTB/DEX

Indian Nat.Sci. Documentation Ct
Nat. Physical Lab of India,
Hillsida Rd, New Delhi-12

Phase Transitions of the Second Order and the Ehrenfest
Equation, by V. A. Sokolov

Full Translation

76?

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXV, No 6, 1951,
pp 883-886.

AEC Tr 1130

Sci - Math

Feb 52 CTS

Regularities of Water Admission Into Tissues of
Plants Affected With Chlorosis and Effect of Growth
Substances on This Process, by T. S. Sulakadze.

RUSSIAN, per, Almad SSSR. Dok. Vol LXXVI, Feb 1951,
pp 211-214. 511 P474A

USDA ~~Trans No 245~~

RUSSIAN
Scientific - Biology, growth substances, plants,
water, chlorosis

The Calculation of the Intensity of the Diffuse
Scattering of X-Rays for Ageing Alloys, by Yu. A.
Begar'atskiy,

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No 1, 1951, pp 45-48.

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Scientific - Physics
CPS/DEX

F. R. I. Jan 19

14,067

Nature of "Viscous" Breakdown by V. A. Pavlov,
M. V. Yakutovich, 4 pp. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII, No 1,
1951, pp 49-51. 9660859

ASTIC MEL-531/III

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Sci - Min/Met

Apr 61

IG-40347 - item 15

147,889

Molten Systems Na_2CO_3 @ K_2CO_3 - BaTiO_3 and BaCl_2 -
 BaTiO_3 , by I. N. Belyayev, N. L. Sholochovna.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXVII,
No 1, 1951, pp 51-52.

AEC Tr 557

Scientific - Chemistry

Also DSI T-232

Aug 51 CTS

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The Nature of Red Phosphorus, by M. Ya. Kraft, V. P. Parini, 10 pp.

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Sci Tr Center
RF-4143

Sci - Chemistry

44,549

Color Reactions With Sulfates, Selenates, Phosphates,
and Tungstates, by V. I. Kuznetsov, 9 pp.

Full translation.

RUSSIAN, per Dok Ak Nauk SSSR, Vol LXXVII, No 1,
1951, pp 61-65.

CIA/FDD/X-973

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Scientific - Chemistry

CTS/DEK

3829

Ozonides of Sodium, Rubidium and Cesium, by
G. P. Nikol'skiy, Z. A. Bagdasaryan, I. A.
Kazarnovskiy, 9 pp.

RUSSIAN, Per, Dok Ak Nauk SSSR, 1951, Vol LXXVII,
No 1, pp 69-72.

SLA 59-15504

Sci
Oct 59
Vol 2, No 3

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Hybrid Orbitals for Coordination Numbers 7 and 9,
by M. G. Shirmazan, M. E. Diyatkina, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXVII, No 1, 1951, pp 75-76.

Sci Trans Center
RT-3741

Scientific - Mathematics

36,264

Jul 56 CTS/dex

<p>Smirnov, Yu. A NECESSARY AND SUFFICIENT CONDITION FOR THE METRICIZATION OF A TOPOLOGICAL SPACE (Neobkhodimoe i Dostatochnoe Usloviye Metrizuемости Topologicheskogo Prostranstva). Feb 64 [9p] Srefs Order from OTS \$0.50 NASA TT F-192</p> <p>Trans. of Akademiya Nauk SSSR. Doklady, 1951, v. 77, no. 2, p. 197-200.</p> <p>DESCRIPTORS: *Topology.</p> <p>The author submits a new solution of the general metricization problem, free of defects ascribed to previous solutions. (NASA)</p> <p>(Mathematics, TT, v. 11, no. 7)</p>	<p>TT-64-11567</p> <p>I. Title: Metricization (Mathematics) I. Smirnov, Yu. II. NASA-TT-F-192 III. National Aeronautics and Space Administration, Washington, D. C. IV. Faraday Translations, New York</p> <p>Office of Technical Services</p>
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On the Physico-Chemistry of Binary Systems With
Volatile Components, by I. A. Ostrovskii, 11 pp.

RUSSIAN, per, Doklady Akad. Nauk SSSR, No 4, Jul-
Aug 1951, pp 76-80.

SIA TR R-1201

Sci

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Determination of the Geologic Age of Two Stony
Meteorites by the Argon Method, by E. K.
Gerlink, T. G. Pavlova, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXVII, 1951, p 85.-77

Morris D. Friedman G-111
\$3.50

USSR
Scientific - Physics

CTS 65/Feb 55

21325

Problem of the Origin of the Marine
Deposits of Manganese, by B. P. Krotov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII,
1951, pp 893-95.

CSIRO

Sci - Biol
Jun 62

199,632

On Intra- and Inter-Species Antagonism Among Micro-organisms, by H. A. Krasil'nikov.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII, 1 Mar 1951, pp 117-119. 511 P444A

USDA Tr

USSR

Jul 53 CTS/DEK

Scientific - Biology

3419

**Effect of Radiant Energy on the Gonadotropic Factor
of the Anterior Lobe of the Hypophysis, by
L. A. Kashchenko, UNCLASSIFIED**

**RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII, 1951,
pp 157-160.**

**Assoc Tech Ser,
RJ-174
Price: \$6.60 (\$.85)**

Scientific - Medicine

18,103

A Necessary And Sufficient Condition For The Metricization of
a Topological Space, by Yu. Smirnov, 7 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol LXXVII, No 2,
1951, pp 197-200. 9219383

NASA-TT F-192

Sci - Aero, Earth Sci & Astron
Mar 64

250, 913

NLL Ref: 8731.9 1964 (192)
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(FDD 27159)

Waves in a Plane Horn, by B. L. Rozhdestvenskiy,
7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXVII, No 2, Moscow, 1951, pp 221-224.

CIA/FDD U-8137

USSR
Sci - Electronics Physics
Apr 56

34,735

X-rays in the Reaction $\text{Be}^9 (\alpha, n)\text{C}^{12}$, by K. P. Artemov, and N. A. Vlasov, 3 pp.

LXXVII

RUSSIAN, Dok Ak Nauk SSSR, ^{Vol} no 77(2), ^{No} pp 225-7. 1951

Sci Museum No 51/2318

SLA 61-17460

Scientific - Physics

Experiment in Electrophotometry of the Solar
Spectrum, by V. B. Nikonov, A. B. Severniy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXX^VII, No 2,
1951, pp 217-220. *217 64430*

ATIC F-TS-9619/V

Sci - Astron
Mar 59

82, 846

Gamma Radiation of Cobalt 60, by B. S. Dzhelepov,
H. Zhukovskiy, Yu. Khol'nov, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXVII,
No 2, 1951, pp 233-236.

Sci Mus Lib No 56/3146

Sci - Chemistry

44,028

~~Sci Mus Lib No 56/3146~~
Nat Res Council
C-2187

Zhuze, V. P. and Ryvkin, S. M.
THE "EXCITON" CHARACTER OF ABSORPTION OF
LIGHT AND THE IMPURITY PHOTOCONDUCTIVITY
(Zksitonnyi Kharakter Pogloshcheniya Sveta i
Primesnaya Fotoprovodimost'). [1961] [8]p. (foreign
text included) 11 refs.

Order from OTS or SLA \$1.10 61-18798

Trans. of *Akademiya Nauk SSSR. Doklady*, 1951,
v. 77, no. 2, p. 241-244.

DESCRIPTORS: *Light, Absorption, Impurities,
*Copper compounds, *Oxides, *Photoconductivity,
Excitation.

(Physics--Optics, TT, v. 7, no. 1)

61-18798

I. Title: Exciton
I. Zhuze, V. P.
II. Ryvkin, S. M.

Office of Technical Services

DAN

Vol 77, #2, pp 249-252 (1951)

Formation of Radiation Fogs
A. G. Amelin

Registry # 6533

DB Ser. # 843526

Copy in library

Sci - Physics

ID # USA F6533

X-Ray Data on the Ageing of the Alloy Al Cu, by Iu. A. Bagariatskiĭ,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXVII, No 2, 1951, pp ~~261~~ 261-264.

Fulmer Research Institute No 18

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